

ABSTRACT

A method of installing fibre optic cables consists of cutting a shallow and narrow trench or channel within a road surface or building wall. A narrow fibre optic cable is laid within the channel, and subsequently covered with a patch material. A branching cable network is provided by cutting at periodic and selected locations, a slightly broader and deeper region of the channel, within which cable loops and/or junction boxes are installed. The nodes may consist of branching nodes, or alternatively non-branching nodes containing a cable loop and/or junction box, the installation of which at a location permits a junction node to be formed at a close by location. The invention also consists of a junction box for use with the system.